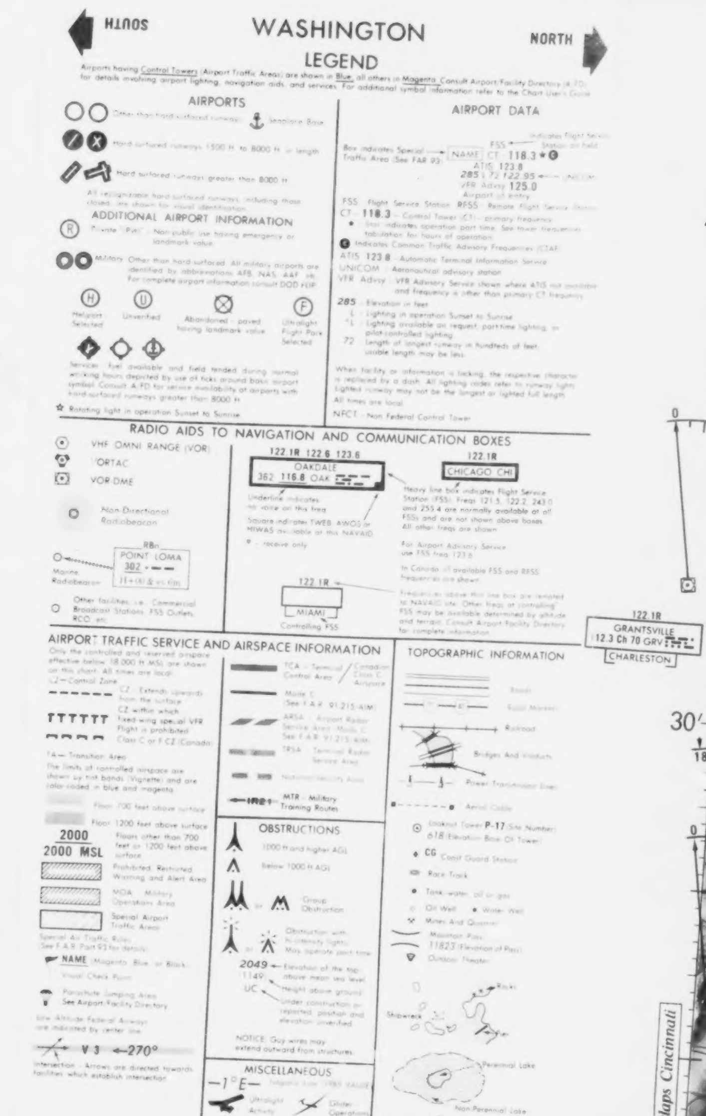


W 27/991

SOUTH ◄ **WASHINGTON** ► NORTH

SECTIONAL AERONAUTICAL CHART

SCALE 1:500,000

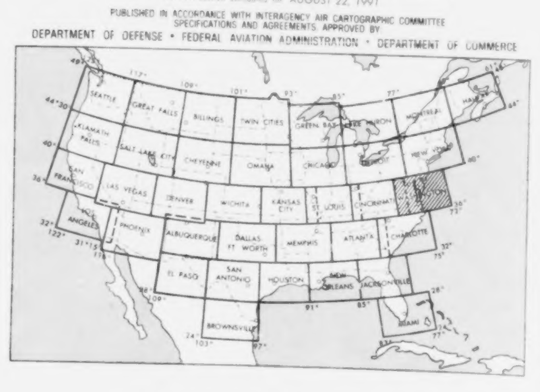
Lambert Conformal Conic Projection Standard Parallels 33°20' and 38°40'
Horizontal Datum: North American Datum of 1927
Topographic data corrected to December 1990

49TH EDITION March 7, 1991

Includes airspace amendments effective February 7, 1991
and all other aeronautical data received by January 10, 1991
Consult appropriate NOTAMs and Flight Information
Publications for supplemental data and current information.

This chart will become OBSOLETE FOR USE IN NAVIGATION upon publication of the next edition scheduled for AUGUST 22, 1991

PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS APPROVED BY:
DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION • DEPARTMENT OF COMMERCE



BASIC CONTOUR INTERVAL 500 feet
Intermediate contour 250 feet

HIGHEST TERRAIN elevation is 4050 feet located at 38°33'N 78°24'W

Critical elevation 4254
Approximate elevation 3200
Doubtful locations are indicated by omission of the point locator (dot or "x")

MILITARY TRAINING ROUTES (MTRs)

All IR and VR MTRs are shown, and may extend from the surface upwards. Only the route centerline, direction of flight along the route and the route designator are depicted – route widths and altitudes are not shown.

Since these routes are subject to change every 56 days, and the charts are reissued every 6 months, you are cautioned and advised to contact the nearest FSS for route dimensions and current status for those routes affecting your flight.

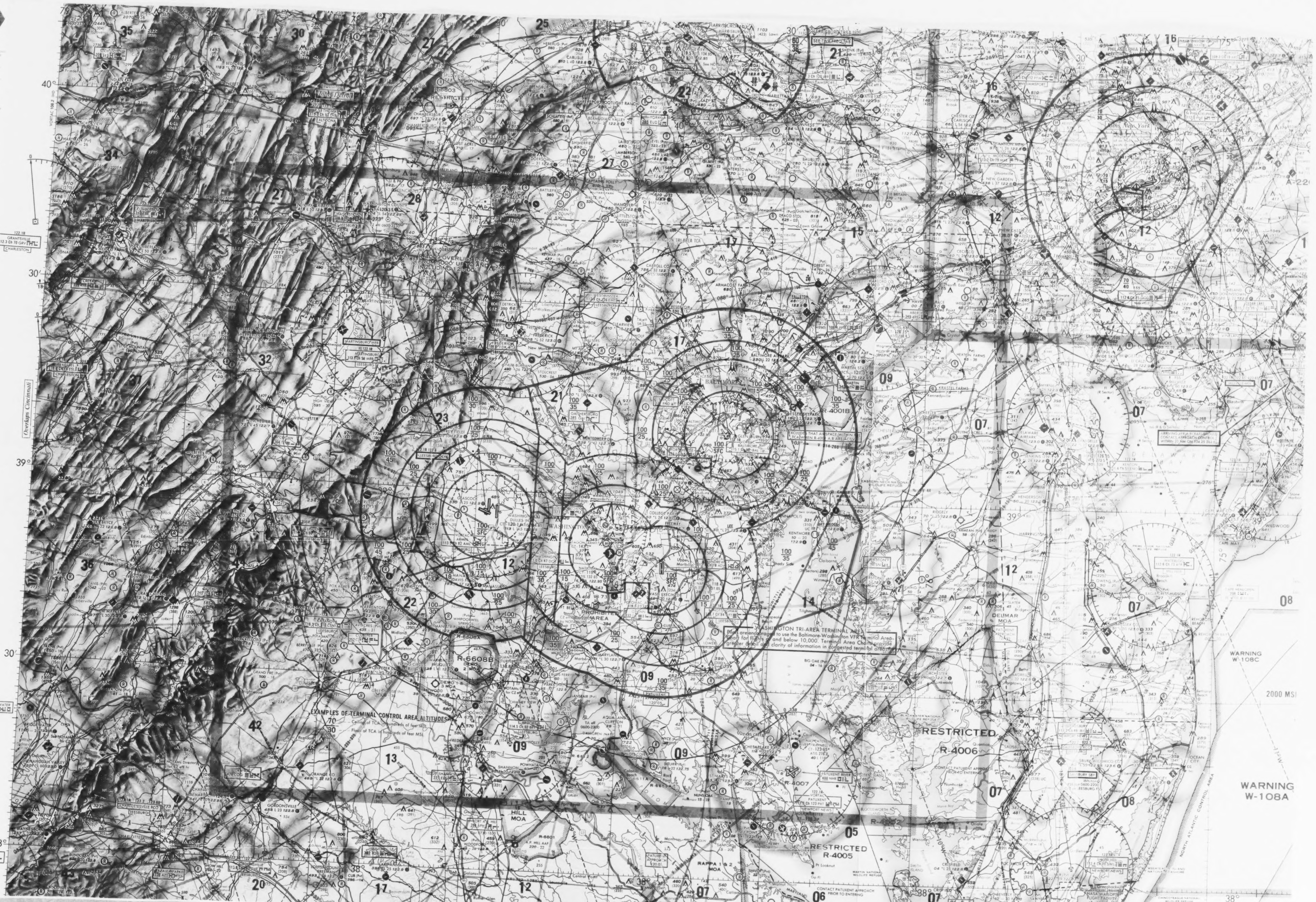
Routes with a change in the alignment of the charted route centerline will be indicated in the Aeronautical Chart Bulletin of the Airport/Facility Directory. Also, the VFR Wall Planning Chart is issued every 56 days and displays current route configurations and a composite tabulation of altitudes along these routes.

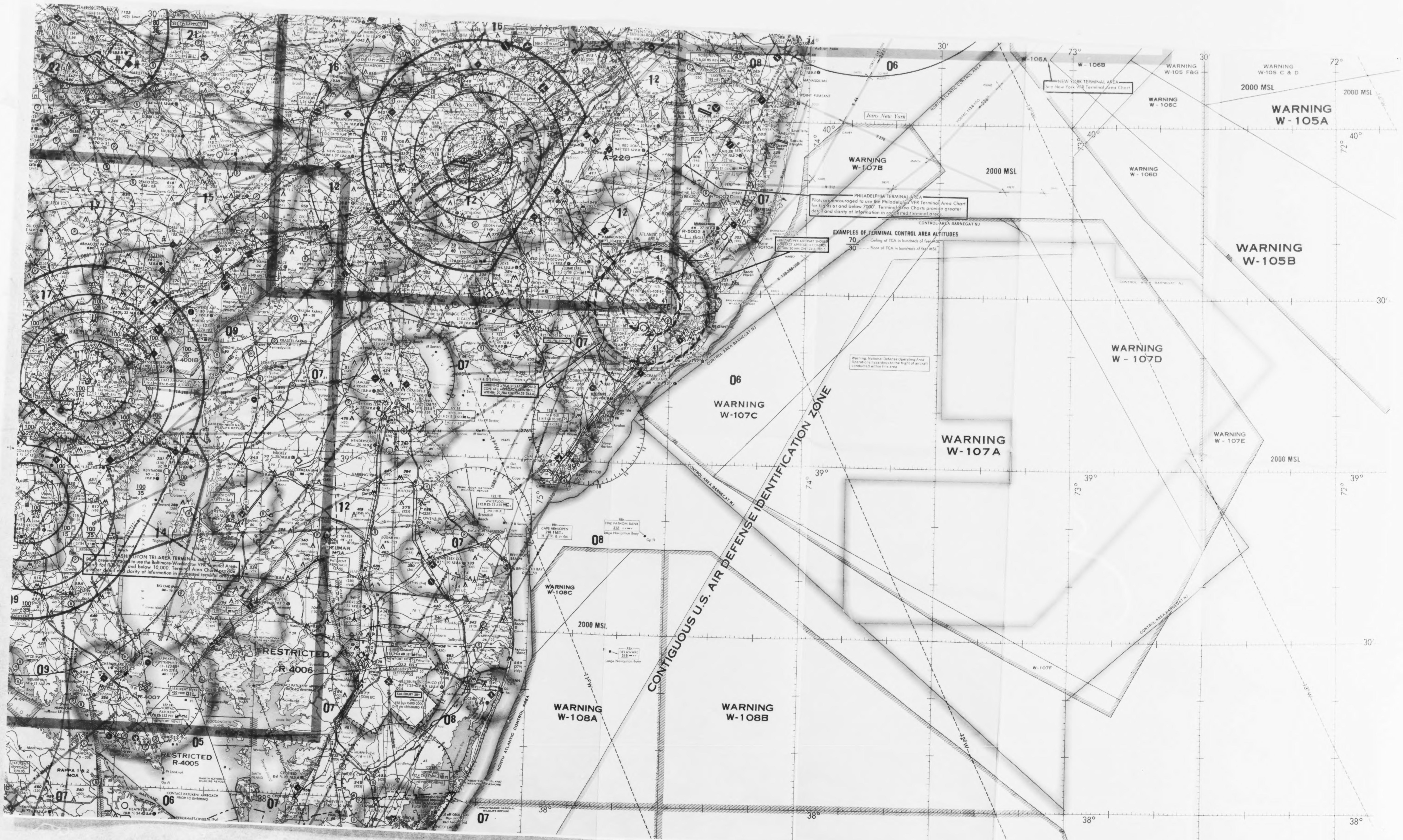
Military Pilots refer to Area Planning AP/1B Military Training Route North and South America for current routes.

CONVERSION OF ELEVATIONS

Published at Washington, D.C.
U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service

C55.416/10:




WARNING
W-105A
WARNING
W-105B
WARNING
W-105 F&G
WARNING
W-105 C & D
W-106A
W-106B
WARNING
W-106C
WARNING
W-106D
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W-107A
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W-107B
WARNING
W-107C
WARNING
W-107D
WARNING
W-107E
W-107F
WARNING
W-108A
WARNING
W-108B
WARNING
W-108C
2000 MSL
NEW YORK TERMINAL AREA
See New York VFR Terminal Area Chart
Joins New York
PHILADELPHIA TERMINAL AREA
Pilots are encouraged to use the Philadelphia VFR Terminal Area Chart for flights at and below 7000'. Terminal Area Charts provide greater detail and clarity of information in congested terminal areas.
EXAMPLES OF TERMINAL CONTROL AREA ALTITUDES
70 — Ceiling of TCA in hundreds of feet MSL
30 — Floor of TCA in hundreds of feet MSL
CONTROL AREA BARNEGAT NJ
Warning, National Defense Operating Area. Operations hazardous to the flight of aircraft conducted within this area
CONTIGUOUS U.S. AIR DEFENSE IDENTIFICATION ZONE
NORTH ATLANTIC CONTROL AREA
WASHINGTON TRI-AREA TERMINAL AREA
Pilots are encouraged to use the Baltimore-Washington VFR Terminal Area Chart for flights at and below 10,000'. Terminal Area Charts provide greater detail and clarity of information in congested terminal areas.
RESTRICTED
R-4006
RESTRICTED
R-4005
R-4007
R-4001B
DELMAR MOA
RAPPA 1 & 2 MOA
A-220
38°
39°
40°
72°
73°
74°
75°
30'

PLOTTING DIRECT ROUTE ON NORTH/SOUTH SIDE

There are approximately two minutes of latitude overlap between the north and south sides of each sectional/WAC chart. To plot a course line from one side to the other, the user must first draw two "match lines" that are common to both sides. On the north side connect the tick marks of the most southern minute of latitude and on the south side connect the marks of the most northern minute of latitude. These "match lines" must have the same latitude on both the north and south sides.

Step No. 1
On the side of the chart having a terminal point nearer the match line, place a sheet of paper (or chart) so that one edge corresponds to the match line while another edge intersects Terminal Point 1. Make a mark on the edge of the paper at Terminal Point 1 (Mark "A" as illustrated) and also another mark on the chart extending from match line to the edge of the chart (Mark "B" as illustrated).

Step No. 2
Roll the chart over and transfer Mark "B" from the north side to the south side, extending the mark to the match line. Align the sheet of paper to the match line with the corner of the sheet at the transferred Mark "B". With a straight edge draw a line from Terminal Point 2 to Mark "A" to intersect the match line forming Point "C".

Step No. 3
Turn chart over and transfer Point "C" from the south side to the north side. (This can be done by measuring the distance from Mark "B" to Point "C" along the match line from the south side). With a straight edge draw a line from Point "C" to Terminal Point 1. This line is the continuation of the direct route drawn on the south side.

CONTROL TOWER FREQUENCIES ON WASHINGTON SECTIONAL CHART

Airports which have control towers are indicated on this chart by the letters CT followed by the primary VHF local control frequency. Selected transmitting frequencies for each control tower are tabulated in the adjoining spaces, the low or medium transmitting frequency is listed first followed by a VHF local control frequency, and the primary VHF and UHF military frequencies, when these frequencies are available. An asterisk (*) follows the part-time tower frequency remoted to the collocated full-time FSS for use as Airport Advisory Service (AAS) during hours tower is closed. Hours shown are local time. Ground control frequencies listed are the primary ground control frequencies.

Automatic Terminal Information Service (ATIS) frequencies, shown on the face of the chart are normal primary arrival frequencies. ATIS operational hours may differ from control tower operational hours.

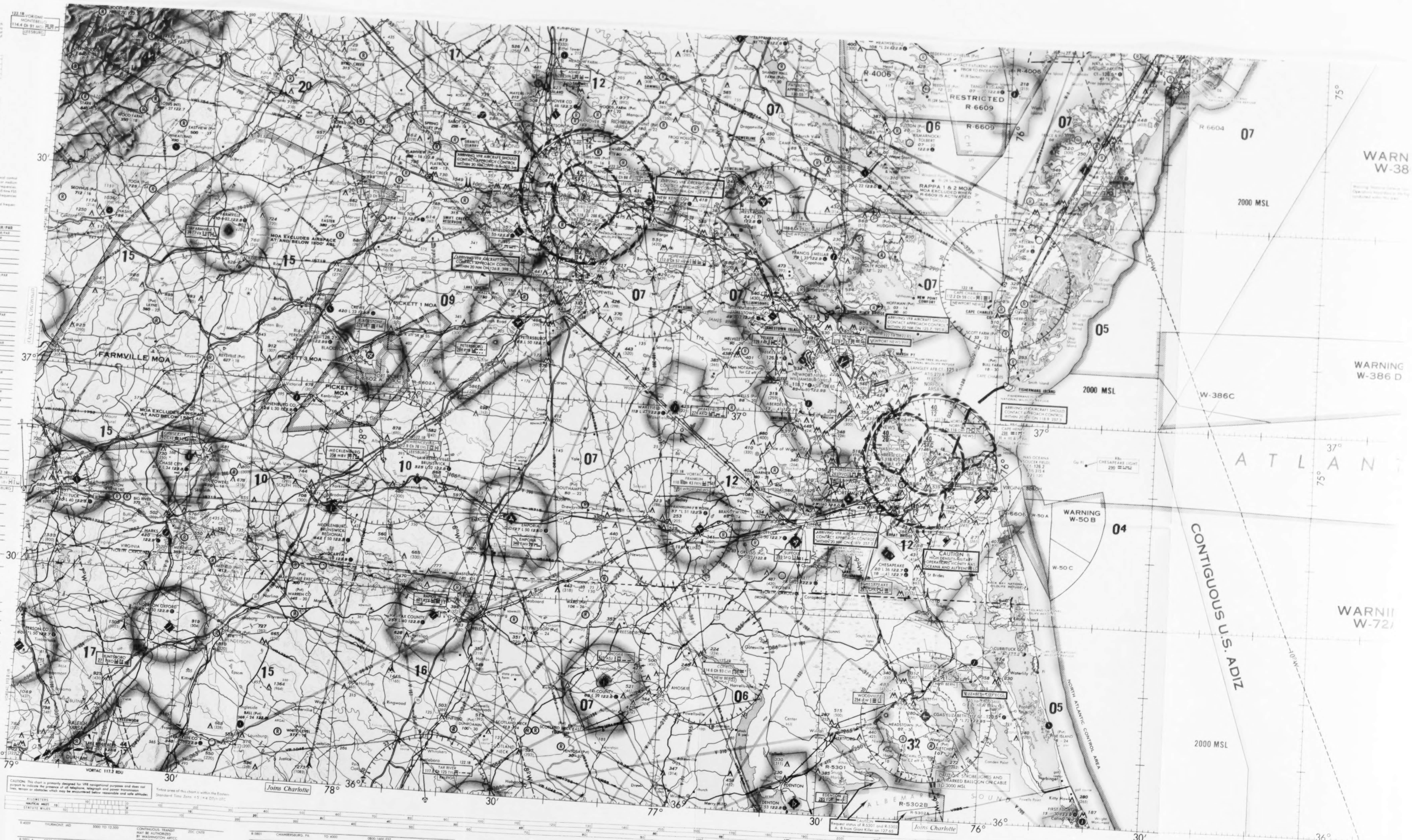
ASR and/or PAR indicates Radar Instrument Approach available.

"Mon-Fri" indicates Monday thru Friday.

CONTROL TOWER	OPERATES	TWR FREQ	GND CON	ATIS	ASR/PAR
ANDREWS AFB/NAF	CONTINUOUS	118.4 289.6	121.8 275.8	113.1 251.05	ASR/PAR
ATLANTIC CITY INTL	CONTINUOUS	120.3 239.0	121.9 284.6	108.6	ASR
BALTIMORE-WASHINGTON INTL	CONTINUOUS	119.4 257.8	121.9	115.1 127.8	
BLACKSTONE AAF-PERKINSON	BY NOTAM	126.2 241.0			
CAPITAL CITY	CONTINUOUS	119.5 257.8	121.9 348.6		
CHARLOTTESVILLE-ALBEMARLE	0648-2300	124.5 242.7	121.9 242.7	134.95	
DAVISON AAF	CONTINUOUS MON-FRI 0800-1800 SAT-SUN & HOL	126.3 229.4	121.9 245.2		ASR/PAR
DOVER AFB	CONTINUOUS	126.35 327.5	121.9 225.4	273.5	ASR
EASTERN WV REGIONAL/SHEPHERD	0800-2200 TUE-THU 0800-1600 FRI-SAT O/T SUBJECT TO ANG OPNS	124.3* 236.6	121.8 275.8		
CGAS ELIZABETH CITY	0700-2200	120.5 355.6	121.9		
FELKER AAF	0700-2300 MON-FRI CLSD HOL	126.3 248.2	121.35 229.4		
HARRISBURG INTL	CONTINUOUS	124.8 231.1	121.7	118.4	ASR/PAR
NAEC LAKEHURST (MAXFIELD FIELD)	0700-2300	126.2 360.2	121.0 352.4		
LANCASTER	0600-2330	120.9 251.1	121.8		
LANGLEY AFB	CONTINUOUS	125.1 253.5	121.7 275.8	132.625	
MARTIN STATE NF	0600-2200	121.3 297.2	121.8 253.4	271.8	ASR/PAR
McGUIRE AFB	CONTINUOUS	119.8 255.6	121.8 275.8		
NEW CASTLE CO	0700-2300	126.0 305.4	121.7 275.8	110.6 270.1	ASR
NEWPORT NEWS/WILLIAMSBURG INTL	0600-2300	118.7* 280.1	121.9 348.6	123.95 128.65	
NAS NORFOLK (CHAMBERS FIELD)	CONTINUOUS	124.3 340.2	121.8 352.4	118.425 341.0	ASR/PAR
NORFOLK INTL	CONTINUOUS	120.8 257.5	121.9	127.15	
NORTHEAST PHILA	0600-2300	126.9 349.0	121.7	121.15	
NAS OCEANA (SOUCEK FIELD)	CONTINUOUS	126.2 360.2	336.4	315.4	ASR/PAR
NAS PATUXENT RIVER (TRAPNELL FIELD)	0700-2300	123.65 344.4	120.6 336.4	276.2	ASR/PAR
PENTAGON AHP	0730-1730 MON-FRI O/T 2 HOURS PRIOR NOTICE	143.1 231.3			
PHILA INTL	CONTINUOUS	118.5 263.0	121.9 348.6	133.4	ASR
PHILLIPS AAF	0600-2200 MON-FRI EXC HOL	126.15 229.6	121.9	108.4	
QUANTICO MCAF (TURNER FIELD)	0700-1700 MON, WED, FRI 1100-1700 TUE 0700-2300 THU	118.6 360.2	340.2	265.0	ASR/PAR
RICHMOND INTL (BYRD FIELD)	CONTINUOUS	121.1 257.8	121.9 348.6	119.15 266.6	ASR
NASA WALLOPS FLIGHT FACILITY	0630-1830 MON-FRI EXC HOL	126.5 394.3			
NADC WARMINSTER	0900-1700 MON, TUE, THU, FRI 1800-2300 WED CLSD SAT, SUN & HOL	126.2 359.6		275.6	
WASHINGTON COUNTY REGIONAL	0630-2200 MON-FRI 0700-2200 SAT-SUN APR-SEP 0630-2000 MON-FRI 0800-2000 SAT-SUN OCT-MAR	120.3 263.7	121.9		
WASHINGTON DULLES INTL	CONTINUOUS	120.1 388.0	121.9 348.6	134.85	
WASHINGTON NATIONAL	CONTINUOUS	119.1 257.6 120.75 (HELICOPTERS)	121.7 257.6	132.65	ASR
NOLF WEBSTER	0800-1600 MON-FRI EXC HOL & O/T O/R	126.2 358.0			
NAS WILLOW GROVE	0700-2300	119.6 340.2	121.8 380.8	275.6	ASR/PAR

TCA, ARSA, TRSA, AND SELECTED RADAR APPROACH CONTROL FREQUENCIES

PHILADELPHIA TCA		281.3 (RNWY 17/35) 128.4 343.6 (270°-089°) 126.6 307.2 (090°-269°)
WASHINGTON TRI-AREA TCA	BALTIMORE	119.0 228.4 (NORTHEAST) 124.55 325.8 (EAST) 119.7 231.6 (SOUTHEAST) 128.7 307.9 (NORTHWEST)
	DULLES	126.1 384.9 (NORTH) 120.45 390.9 (WEST) 124.65 390.9 (SOUTH)
	WASHINGTON NATIONAL	124.2 269.0 (EAST) 119.85 322.3 (NORTHWEST THRU SOUTHWEST)
ATLANTIC CITY ARSA		134.25 263.6 (130°-309°) 124.6 385.5 (310°-129°)
NORFOLK ARSA		118.9 257.3 (180°-310°) (010°-080°) 125.7 395.8 (311°-009°)
RICHMOND ARSA		126.4 319.8 (360°-170°) 126.8 398.2 (171°-263°) 119.9 307.2 (264°-359°)
HARRISBURG TRSA		124.1 339.3 (180°-359°) 126.45 379.8 (360°-179°)
BLACKSTONE AAF-PERKINSON RADAR		118.75 353.9
DOVER AFB RADAR		128.0 339.1
CGAS ELIZABETH CITY RADAR		123.85 323.0
FELKER AAF RADAR		125.7 395.8
NALF FENTRESS RADAR		119.6 279.2
A.P. HILL AAF RADAR		119.85 322.3
NAEC LAKEHURST (MAXFIELD FIELD) RADAR		120.25 363.8 (290°-130°) 127.5 259.3 (131°-289°)
LANGLEY AFB RADAR		125.7 395.8
McGUIRE AFB RADAR		120.25 363.8 (270°-090°) 127.5 259.3 (091°-269°) 120.0 318.2 (STAGE II)
NAS OCEANA (SOUCEK FIELD) RADAR		119.6 279.2
NAS PATUXENT RIVER (TRAPNELL FIELD) RADAR		127.95 314.0 (010°-140°) 120.05 281.8 (141°-009°) O/T 132.55 353.6 ZDC CNTR
PHILLIPS AAF RADAR		126.75 307.9
QUANTICO MCAF (TURNER FIELD) RADAR		126.2 312.2 O/T 118.95 257.2 DCA
NASA WALLOPS RADAR		127.95 314.0 PXT O/T 132.55 353.6 ZDC CNTR
NADC WARMINSTER RADAR		123.8 291.7
NOLF WEBSTER RADAR		120.05 281.8
WEIDE AAF RADAR		119.0 228.4
NAS WILLOW GROVE RADAR		123.8 291.7



SPECIAL USE AIRSPACE ON WASHINGTON SECTIONAL CHART

Unless otherwise noted altitudes are MSL and in feet; time is local.
Contact nearest FSS for information.
†Other time by NOTAM contact FSS

The word "TO" an altitude means "To and including."
"MON-FRI" indicates "Monday thru Friday"
FL – Flight Level
NO A/G – No air to ground communications

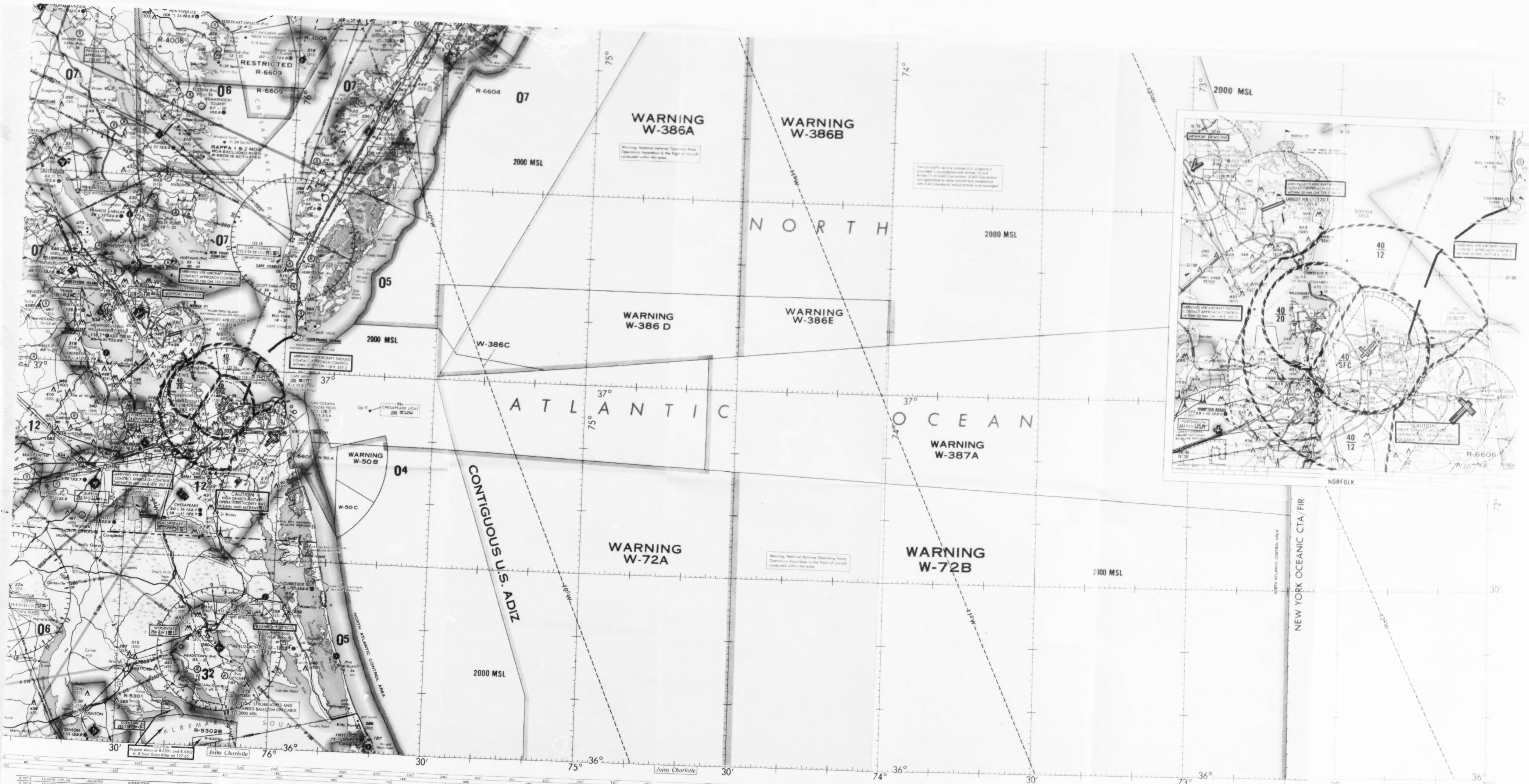
U.S. P-PROHIBITED, R-RESTRICTED, A-ALERT, W-WARNING, MOA-MILITARY OPERATIONS AREA

NUMBER	LOCATION	ALTITUDE	TIME OF USE	CONTROLLING AGENCY**
P-40	THURMONT, MD	TO BUT NOT INCL 5000	CONTINUOUS	NO A/G
P-56	WASHINGTON, DC	TO 18,000	CONTINUOUS	NO A/G
P-73	MOUNT VERNON, VA	TO BUT NOT INCL 1500	CONTINUOUS	WARNING-AVOID THIS AREA NO A/G
R-4001 A	ABERDEEN, MD	(1) UNLIMITED (2) TO 10,000	(1) 0700-2400 (2) 0000-0700 HIGHER ALTITUDES BY NOTAM 24 HRS IN ADVANCE	ZDC CNTR
R-4001 B	ABERDEEN, MD	TO 10,000	INTERMITTENT BY NOTAM 24 HRS IN ADVANCE HIGHER ALTITUDES BY NOTAM 24 HRS IN ADVANCE	ZDC CNTR
R-4002	BLOODSWORTH ISLAND, MD	TO 20,000	SUNRISE TO 2400 † 48 HRS IN ADVANCE	ZDC CNTR
R-4005	PATUXENT RIVER, MD	TO BUT NOT INCL FL 250	0700-2300†	ZDC CNTR
R-4006	PATUXENT RIVER, MD	3500 TO BUT NOT INCL FL 250	0700-2300† EXCLD R-4002, R-4005 AND R-6609	ZDC CNTR
R-4007 A	PATUXENT RIVER, MD	TO BUT NOT INCL 3000	0700-2300†	ZDC CNTR
R-4009	THURMONT, MD	5000 TO 12,500	CONTINUOUS. TRANSIT MAY BE AUTHORIZED BY WASHINGTON ARTCC WHEN CONDITIONS PERMIT	ZDC CNTR
R-5001 A	FORT DIX, NJ	TO 4000	0600-2330 † 1 HR IN ADVANCE	ZNY CNTR
R-5001 B	FORT DIX, NJ	4000 TO 8000	CONTINUOUS SUNRISE FRI TO SUNSET SUN † 48 HRS IN ADVANCE	ZNY CNTR
R-5002 A	WARREN GROVE, NJ	TO 14,000	SUNRISE TO SUNSET † 48 HRS IN ADVANCE	ZNY CNTR
R-5002 B	WARREN GROVE, NJ	1000 TO 14,000	SUNRISE TO SUNSET † 48 HRS IN ADVANCE	ZNY CNTR
R-5002 C	WARREN GROVE, NJ	TO 3000	SUNRISE TO SUNSET † 48 HRS IN ADVANCE	ZNY CNTR
R-5002 D	WARREN GROVE, NJ	TO 4000	SUNRISE TO SUNSET † 48 HRS IN ADVANCE	ZNY CNTR
R-5002 E	WARREN GROVE, NJ	3500 TO 14,000	SUNRISE TO SUNSET † 48 HRS IN ADVANCE	ZNY CNTR
R-5301	ALBEMARLE SOUND, NC	TO 14,000	CONTINUOUS	ZDC CNTR
R-5302 A	HARVEY POINT, NC	TO 14,000	BY NOTAM 24 HRS IN ADVANCE	ZDC CNTR
R-5302 B	HARVEY POINT, NC	100 AGL TO 14,000	BY NOTAM 24 HRS IN ADVANCE	ZDC CNTR
R-5801	CHAMBERSBURG, PA	TO 4000	0800-1600 EST MON THRU FRI	NO A/G
R-5803	CHAMBERSBURG, PA	TO 4000	0800-1600 EST MON THRU FRI	NO A/G
R-6601	FORT A. P. HILL, VA	TO 5000	0700-2300 † 48 HRS IN ADVANCE	RICHMOND ATC TOWER
R-6602 A	FORT PICKETT, VA	TO BUT NOT INCL 4000	CONTINUOUS FROM MAY 1 TO SEP 15 † 24 HRS IN ADVANCE	ZDC CNTR
R-6602 B	FORT PICKETT, VA	4000 TO BUT NOT INCL 11,000	BY NOTAM 24 HRS IN ADVANCE	ZDC CNTR
R-6602 C	FORT PICKETT, VA	11,000 TO BUT NOT INCL 18,000	BY NOTAM 24 HRS IN ADVANCE	ZDC CNTR
R-6604	CHINCOTEAGUE INLET, VA	UNLIMITED	CONTINUOUS	ZDC CNTR
R-6606	PENDLETON, VA	TO 51,000	0800 TO 1700 MON THRU FRI † 48 HRS IN ADVANCE	ZDC CNTR
R-6608 A&B	QUANTICO, VA	TO 10,000	0500-2400 † 24 HRS IN ADVANCE	DULLES ATC TOWER
R-6609	TANGIER ISLAND, VA	TO FL 200	0800 TO 2300 † 48 HRS IN ADVANCE	ZDC CNTR
R-6611 A	DAHLGREN COMPLEX, VA	TO 40,000	0800 TO 1700 MON THRU FRI † 48 HRS IN ADVANCE	ZDC CNTR
R-6612	DAHLGREN COMPLEX, VA	TO 7000	0800 TO 1700 MON THRU FRI † 48 HRS IN ADVANCE	ZDC CNTR
R-6613 A	DAHLGREN COMPLEX, VA	TO 40,000	0800 TO 1700 MON THRU FRI † 48 HRS IN ADVANCE	ZDC CNTR
W-50 A, B, C	DAM NECK, VA	TO FL 750	INTERMITTENT BY NOTAM	ZDC CNTR
W-72 A	NORTH CAROLINA	E OF 75°30'00" UNLIMITED, W OF 75°30'00" TO BUT NOT INCL 2000.	INTERMITTENT	ZDC CNTR
W-72 B	NORTH CAROLINA	UNLIMITED		
W-105 A	NARRAGANSETT, RI	TO FL 500	INTERMITTENT	ZDC CNTR
W-105 B	NARRAGANSETT, RI	TO BUT NOT INCL FL 180	INTERMITTENT	ZBW CNTR
W-105 C	NARRAGANSETT, RI	TO BUT NOT INCL 10,000	INTERMITTENT	ZBW CNTR
W-105 D	NARRAGANSETT, RI	10,000 TO FL 500	INTERMITTENT	ZBW CNTR
W-105 F	NARRAGANSETT, RI	TO BUT NOT INCL 10,000	INTERMITTENT	ZBW CNTR
W-105 G	NARRAGANSETT, RI	10,000 TO FL 500	INTERMITTENT	ZBW CNTR
W-106 A	PATCHOGUE, NY	TO 3000	INTERMITTENT	ZBW CNTR
W-106 B	PATCHOGUE, NY	TO 8000	INTERMITTENT	ZBW CNTR
W-106 C	PATCHOGUE, NY	TO 10,000	INTERMITTENT	ZBW CNTR
W-106 D	PATCHOGUE, NY	TO BUT NOT INCL 6000	INTERMITTENT	NAS OCEANA FACSF
W-107 A	ATLANTIC CITY, NJ	UNLIMITED	INTERMITTENT	ZDC CNTR
W-107 B	ATLANTIC CITY, NJ	TO BUT NOT INCL 2000	INTERMITTENT	ZDC CNTR
W-107 C	ATLANTIC CITY, NJ	TO BUT NOT INCL FL 180	INTERMITTENT	ZDC CNTR
W-107 D	ATLANTIC CITY, NJ	UNLIMITED	INTERMITTENT	ZDC CNTR
W-107 E&F	ATLANTIC CITY, NJ	UNLIMITED	INTERMITTENT	ZDC CNTR
W-108 A&B	CHINCOTEAGUE, VA	UNLIMITED	INTERMITTENT	ZDC CNTR
W-108 C	CHINCOTEAGUE, VA	TO FL 230	INTERMITTENT	ZDC CNTR
W-386 A	VIRGINIA CAPES, VA	E OF 75°30'00" UNLIMITED W OF 75°30'00" TO BUT NOT INCL 2000	INTERMITTENT	ZDC CNTR
W-386 B, C, D & E	VIRGINIA CAPES, VA	UNLIMITED	INTERMITTENT	ZDC CNTR
W-387 A	VIRGINIA CAPES, VA	TO BUT NOT INCL FL 240	CONTINUOUS	U.S. NAVY FACSFAC VACAPES
A-220	McGUIRE AFB, NJ	TO 4500	0800-2200	McGUIRE RAPCON

**ZBW Boston, ZNY New York, ZDC Washington

MOA NAME	ALTITUDE OF USE*	TIME OF USE†	CONTROLLING AGENCY**
DELMAR	3500 TO 17,000	4 HRS IN ADVANCE BY NOTAM	ZDC CNTR
DEMO 1	500 TO 5000	INTERMITTENT BY NOTAM	ZDC CNTR
DEMO 2	10,000 TO 15,000	INTERMITTENT BY NOTAM	ZDC CNTR
DEMO 3	ABOVE 5000 TO 15,000	INTERMITTENT BY NOTAM	ZDC CNTR
FARMVILLE	300 AGL TO 5000	0930-1430 1600-1700 MON-FRI	ZDC CNTR
HILL	TO 3000	SR-SS	
PICKETT 1	500 AGL TO 6000	SR-SS INTERMITTENT	RICHMOND ATC TWR
PICKETT 2	500 AGL TO 10,000	SR-SS INTERMITTENT	ZDC CNTR
PICKETT 3	4000 TO 10,000	SR-SS INTERMITTENT	ZDC CNTR
RAPPA 1	3000 TO 4500	INTERMITTENT SR-SS MON-FRI	ZDC CNTR
RAPPA 2	14,500 TO FL 180	INTERMITTENT SR-SS MON-FRI	ZDC CNTR

*Altitudes indicate floor of MOA's. All MOA's extend to but do not include FL 180 unless otherwise indicated in tabulation or on chart.
†Other time by NOTAM contact FSS
**ZDC Washington



W-107 A	ATLANTIC CITY, NJ	UNLIMITED	INTERMITTENT	ZDC CNTR
W-107 B	ATLANTIC CITY, NJ	TO BUT NOT INCL 2000	INTERMITTENT	ZDC CNTR
W-107 C	ATLANTIC CITY, NJ	TO BUT NOT INCL FL 180	INTERMITTENT	ZDC CNTR
W-107 D	ATLANTIC CITY, NJ	UNLIMITED	INTERMITTENT	ZDC CNTR
W-107 E&F	ATLANTIC CITY, NJ	UNLIMITED	INTERMITTENT	ZDC CNTR
W-108 A&B	CHINCOTEAGUE, VA	UNLIMITED	INTERMITTENT	ZDC CNTR
W-108 C	CHINCOTEAGUE, VA	TO FL 230	INTERMITTENT	ZDC CNTR
W-386 A	VIRGINIA CAPES, VA	E OF 75°30'00" UNLIMITED W OF 75°30'00" TO BUT NOT INCL 2000	INTERMITTENT	ZDC CNTR
W-386 B, C, D & E	VIRGINIA CAPES, VA	UNLIMITED	INTERMITTENT	ZDC CNTR
W-387 A	VIRGINIA CAPES, VA	TO BUT NOT INCL FL 240	CONTINUOUS	U.S. NAVY FACSFAC VACAPES
A-220	McGUIRE AFB, NJ	TO 4500	0800-2200	McGUIRE RAPCON

**ZBW-Boston, ZNY-New York, ZDC-Washington

MOA NAME	ALTITUDE OF USE*	TIME OF USE†	CONTROLLING AGENCY**
DELMAR	5000 TO 17,000	4 HRS IN ADVANCE BY NOTAM	ZDC CNTR
DEMO 1	500 TO 5000	INTERMITTENT BY NOTAM	ZDC CNTR
DEMO 2	10,000 TO 15,000	INTERMITTENT BY NOTAM	ZDC CNTR
DEMO 3	ABOVE 5000 TO 15,000	INTERMITTENT BY NOTAM	ZDC CNTR
FARMVILLE	300 AGL TO 5000	0930-1430 1600-1700 MON-FRI	ZDC CNTR
HILL	TO 3000	SR-SS	RICHMOND ATC TWR
PICKETT 1	500 AGL TO 6000	SR-SS INTERMITTENT	ZDC CNTR
PICKETT 2	500 AGL TO 10,000	SR-SS INTERMITTENT	ZDC CNTR
PICKETT 3	4000 TO 10,000	SR-SS INTERMITTENT	ZDC CNTR
RAPPA 1	3000 TO 4500	INTERMITTENT SR-SS MON-FRI	ZDC CNTR
RAPPA 2	14,500 TO FL 180	INTERMITTENT SR-SS MON-FRI	ZDC CNTR

*Altitudes indicate floor of MOA's. All MOA's extend to but do not include FL 180 unless otherwise indicated in tabulation or on chart.
†Other time by NOTAM contact FSS
**ZDC-Washington

REGULATIONS REGARDING FLIGHTS OVER CHARTED NATIONAL PARK SERVICE AREAS, U.S. FISH AND WILDLIFE SERVICE AREAS, AND U.S. FOREST SERVICE AREAS

The landing of aircraft is prohibited on lands or waters administered by the National Park Service, U.S. Fish and Wildlife Service or U.S. Forest Service without authorization from the respective agency. Exceptions include: 1) when forced to land due to an emergency beyond the control of the operator, 2) at officially designated landing sites, or 3) on approved official business of the Federal Government.

All aircraft are requested to maintain a minimum altitude of 2,000 feet above the surface of the following: National Parks, Monuments, Seashores, Lakeshores, Recreation Areas and Scenic Riverways administered by the National Park Service, National Wildlife Refuges, Big Game Refuges, Game Ranges and Wildlife Ranges administered by the U.S. Fish and Wildlife Service, and Wilderness and Primitive areas administered by the U.S. Forest Service. FAA Advisory Circular (AC) 91-36C, "Visual Flight Rules (VFR) Flight Near Noise-Sensitive Areas," defines the surface as: the highest terrain within 2,000 feet laterally of the route of flight, or the upper most rim of a canyon or valley.

Federal regulations also prohibit airdrops by parachute or other means of persons, cargo, or objects from aircraft on lands administered by the three agencies without authorization from the respective agency. Exceptions include: 1) emergencies involving the safety of human life, or 2) threat of serious property loss.

Boundary of National Park Service areas, U.S. Fish and Wildlife Service areas and U.S. Forest Service Wilderness and Primitive areas.

NOTICE TO USERS OF THIS CHART

You are urgently requested to inform us of corrections and additions that come to your attention while using this chart. Postage-paid Chart Correction cards are available at authorized chart sales agents and at FAA Flight Service Stations. Where delineation of data is required, such information should be indicated clearly and accurately on a current chart (a replacement copy will be returned). Mail to: National Ocean Service, NOAA, N/CG31, 6010 Executive Blvd., Rockville, MD 20852 or call toll-free 800-626-3677.

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF). The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle including terrain and obstructions (trees, towers, antennas, etc.).

Example: 12,500 feet .... 12^5

WASHINGTON